Pennoni
417 Fifth Avenue
Suite 501
New York, NY 10016
T: 212-239-7600
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www.pennoni.com

August 24, 2017

STLL1702

Stellar Management
Attn: Mr. Lyle Kamesaki
156 Williams Street, 10th Floor
New York, New York 10038

RE: PRE-RENOVATION ASBESTOS SURVEY
BASEMENT CEILING
220 5TH AVENUE
NEW YORK, NEW YORK 10001

Dear Mr. Kamesaki:

Pennoni submits this report documenting the targeted pre-renovation asbestos survey we conducted at the above referenced address on August 14, 2017. Suspect asbestos-containing materials (ACM) were sampled only in areas of and above the basement ceiling where renovation is planned, per the demolition and renovation plans provided by Stellar Management on August 2, 2017.

ANTICIPATED SCOPE OF RENOVATION

Renovation of basement space to a gym facility, including:

- Demolish sheetrock and framing, expose existing conduit.
- Clean and patch all existing pipe and surfaces on exposed ceiling. Paint white, remove, or relocate all wiring.
- Make penetrations in drop ceiling to house L6 light fixtures.

ASBESTOS SURVEY

The limited visual inspection and bulk sampling of suspect asbestos-containing materials (ACM) associated with the basement ceiling was conducted on August 14, 2017 by Mr. Matthew L. Smith (NYC DEP Asbestos Investigator Certificate 145284). Samples were collected in accordance with Title 15, Chapter 1 of the New York City Department of Environmental Protection, Bureau of Environmental Compliance Asbestos Rules and Regulations, and Part 56 of Title 12 of the State of New York Asbestos Rules and Regulations. During the survey, Pennoni identified and collected 28 samples of the following 8 suspect ACM systems, listed by Homogenous ID (HID) number (see Appendix A – Sampling Locations and Appendix B – Site Photographs):

1. Plaster, Top White Coat (above drop ceiling, various locations)
2. Plaster, Bottom Grey Coat (above drop ceiling, various locations)
3. Spray-Applied Fireproofing (above drop ceiling, on beams, columns, and walls throughout)
4. Black Waterproofing (above drop ceiling on beams, columns, and walls in north section, generally on the surface of spray-applied fireproofing and some debris on floor)
5. Drywall (sprinkler room above drop ceiling)
6. Joint Compound associated with Drywall (sprinkler room above drop ceiling)
7. White Plaster Patching (above drop ceiling in south section)
8. Concrete Ceiling Patching (above drop ceiling, throughout)

Pennoni notes that, as of the date of our survey, some renovation activities in the basement had begun and, specifically, new pipe hangars had been installed at various locations the basement ceiling.

The samples were properly packaged, labeled and transported to EMSL Analytical Inc. in Manhattan, New York, which is accredited under the National Voluntary Laboratory Accreditation Program and approved by the New York State Department of Health Environmental Laboratory Approval Program (NYSDOH ELAP). Samples of friable materials such as drywall, joint compound, or plaster were analyzed for asbestos content using Polarized Light Microscopy (PLM) via NY ELAP Method 198.1. Non-friable organically bound materials (NOBs) such as floor tile, mastic, or glue were analyzed using Polarized Light Microscopy (PLM) via NY ELAP Method 198.6 and, if necessary, further analyzed utilizing Transmission Electron Microscopy (TEM) via NY ELAP Method 198.4 with Gravimetric Preparation. **Analytical results revealed no sampled material systems that contain greater than 1% asbestos** (see Appendix C – Laboratory Analytical Certificates).

Vermiculite

Samples of spray-applied fireproofing above the ceiling were noted to contain vermiculite which, by New York State regulations effective October 31, 2014, require further testing by NYS ELAP Method 198.8. Because the additional testing requires a large volume of material, additional samples of the spray-applied fireproofing were collected by Pennoni's Mr. Joseph Celentano (NYC DEP Asbestos Investigator Certificate 136735) on August 16, 2017 and were transported to EMSL in Cinnaminson, New Jersey for analysis. **Analytical results indicate that the spray-applied fireproofing is not asbestos-containing** (see Appendix C – Laboratory Analytical Certificates).

ASBESTOS NOTIFICATION

Pennoni subsequently submitted an Asbestos Assessment Report (ACP 5) as required by the NYC DEP, included in this report as Appendix D.

LIMITATIONS

The goal of the survey was to identify readily accessible suspect building materials that would be impacted by planned renovations. Pennoni's survey did not include operational utility systems, below-grade or subfloor sampling, concealed pipe chase spaces, or inaccessible crawlspaces associated with foundations. Hazardous materials may be present in these areas. Quantities in this report are estimated and should be verified for bidding purposes. Pennoni should be contacted immediately if renovation or demolition activities uncover materials that are not identified in this report.

If you have any questions concerning this report or require additional information, please contact us at 856-547-0505 or 973-265-9775.

Sincerely,

PENNONI ENGINEERING AND SURVEYING OF NEW YORK, P.C.

Matthew Smith
Associate Industrial Hygienist

Ralph Coppola, CIEC
Project Industrial Hygienist

kml

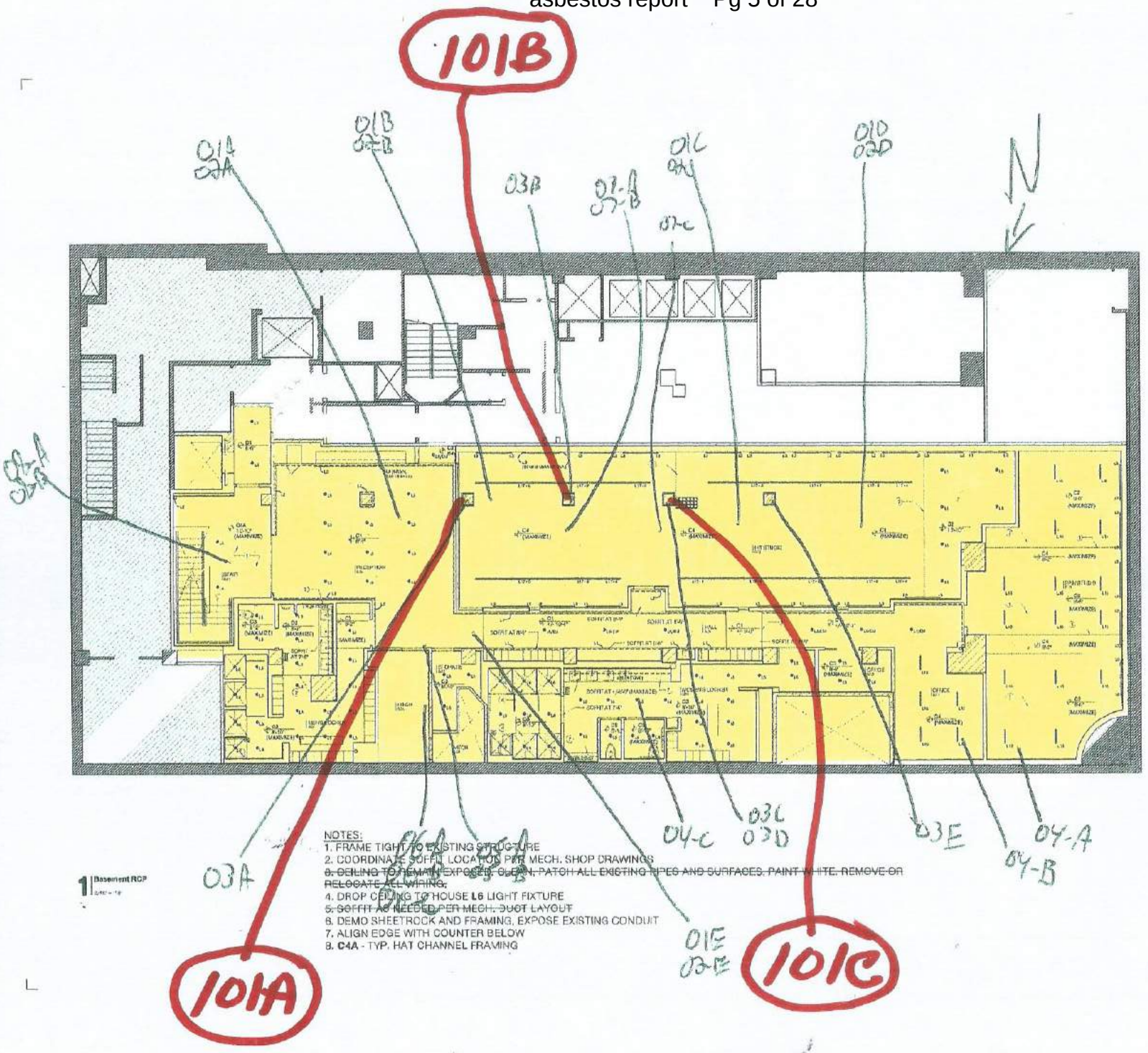
Attachments:

Appendix A – Sampling Locations
Appendix B – Site Photographs
Appendix C – Laboratory Analytical Certificates
Appendix D – NYC DEP Asbestos Assessment Report (ACP 5)

J:\Projects\STLL\STLL1702 220 5th Ave Basement Ceiling ACM\220 5th Ave Basement Ceiling ACM Survey STLL1702.docx

APPENDIX A

Sampling Locations



BERNHEIMER ARCHITECTURE
33 Orchard St, #5107
Brooklyn, NY 11201
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P 347.763.0851 F 347.763.0852

CONSULTANTS
MEP ENGINEER
RLH
1109 Maysville Pike, Suite 11
Ft. Thomas, KY 41075
STRUCTURAL ENGINEER
Structure Workshop Inc.
15 Imperial Place Corporate Building
PROVIDENCE, RI 02903
EXPEDITOR
Jam Consulting
19 West 24th Street
NEW YORK, NY 10001
ACOUSTICS ENGINEER
Acoustilog
19 Minetta Street
NEW YORK, NY 10013

#	ISSUE:	DATE:
1	FOR BID	8/7/2018
2	FOR CONSTRUCTION	09.18.2018
3	ASI # 1	09.01.2018
4	ASI #3	09.27.2018
5	ASI #4	11.07.2018

PROJECT #1804
Scorpion
230 5th Avenue, New York, NY 10001
DOB Filing
—

Basement RCP

A-12000

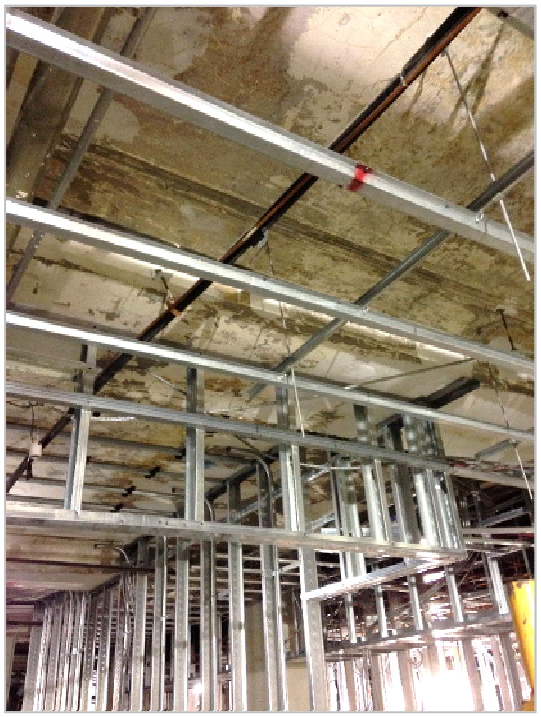
SCALE: AS NOTED
DRAWN BY: BA

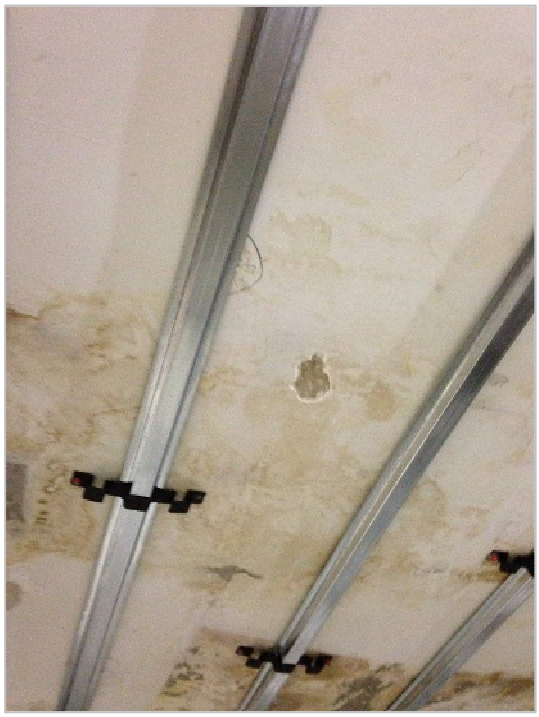
SEAL

10 of 13

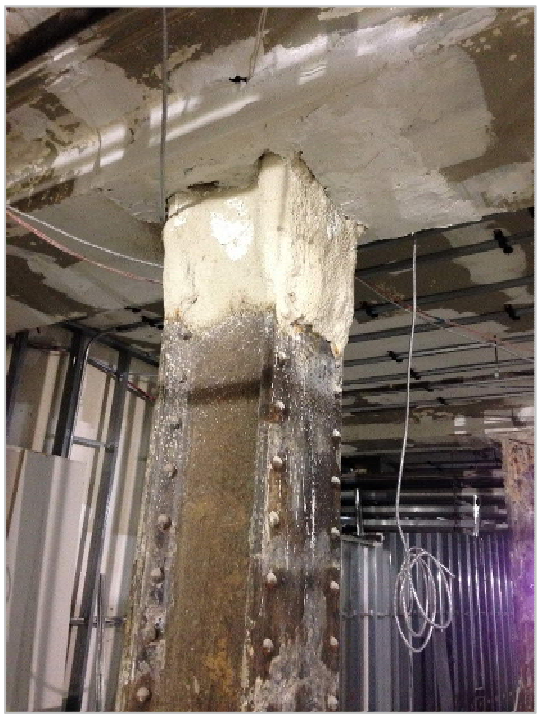
APPENDIX B

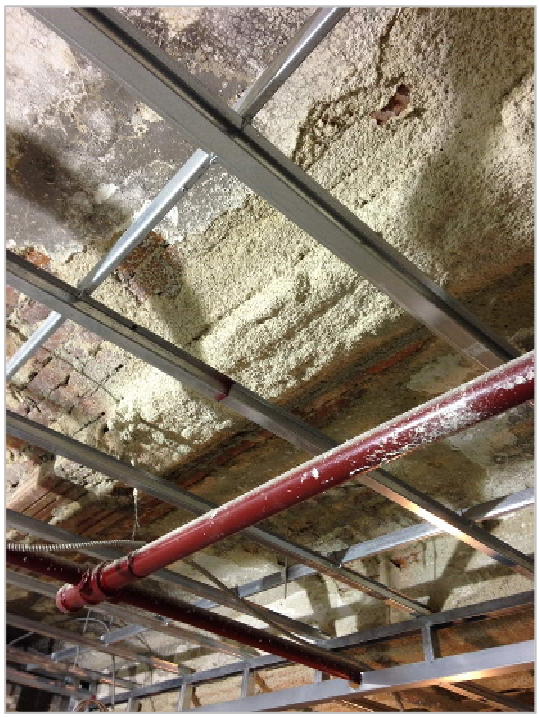
Site Photographs





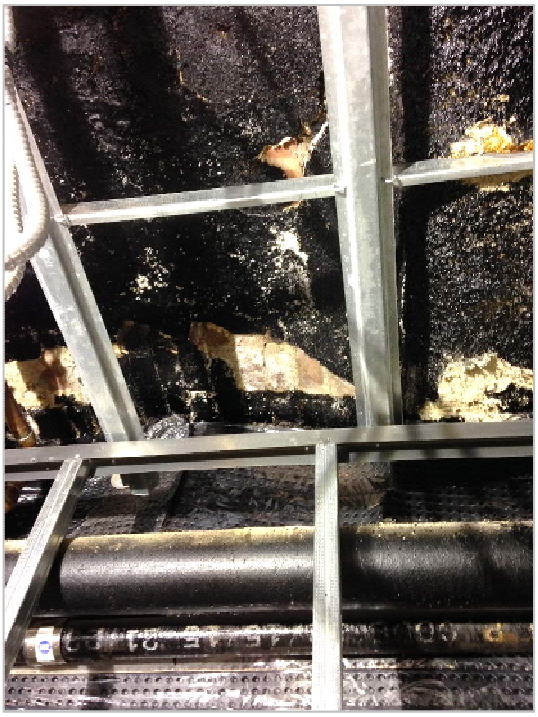
Photographs 1 - 2. Plaster Top Coat (non-ACM) and Bottom Coat (non-ACM)
Above Drop Ceiling in Various Locations

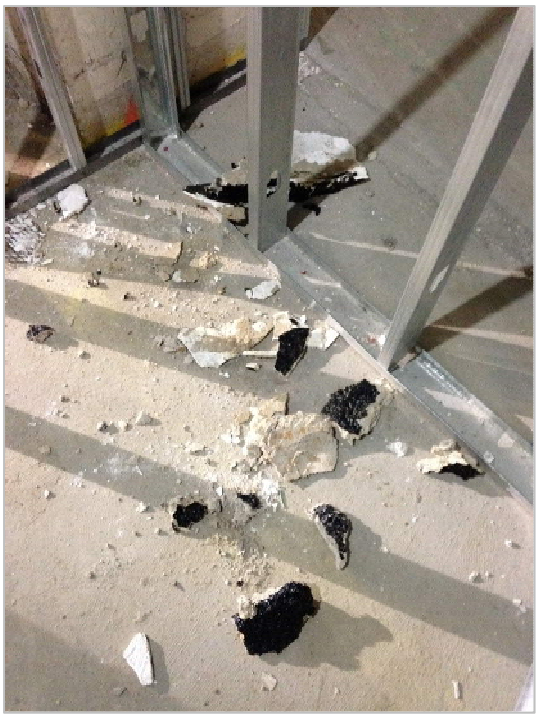




Photographs 3 - 4. Spray-Applied Fireproofing (non-ACM)
Above Drop Ceiling on Beams, Columns, and Wall in North Section

Pennoni	Pennoni Engineering & Surveying of New York, PC. 417 Fifth Avenue, Suite 501 New York, New York 10016	TARGETED PRE-RENOVATION ASBESTOS SURVEY 220 5TH AVENUE BASEMENT CEILING NEW YORK, NEW YORK 10001
Job No. STLL1702	Date Taken: August 14, 2017	SITE PHOTOGRAPHS



Photographs 5 - 8. Black Waterproofing (non-ACM) generally on the surface of Spray-Applied Fireproofing (non-ACM) *Above Drop Ceiling on Beams, Columns, and Wall in North Section, and some debris on floor*

Photograph 9. White Plaster Patching (non-ACM)
Above Drop Ceiling in South Section

Photograph 10. Concrete Ceiling Patching (non-ACM)
Above Drop Ceiling Throughout

APPENDIX C

Laboratory Analytical Certificates

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 031725438
Customer ID: PNNJ42
Customer PO:
Project ID:

Attention: Ralph Coppola
Pennoni
24 Commerce Street
Suite 300
Newark, NJ 07102

Phone: (973) 265-9775
Fax:
Received Date: 08/14/2017 10:41 AM
Analysis Date: 08/14/2017 - 08/15/2017
Collected Date: 08/14/2017

Project: STLL1702/ 2205 5TH AVE., NY, NY/ STELLAR MANAGEMENT/ BASEMENT

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID STLL1702-01A *031725438-0001*		**Description** BASEMENT CEILING - TOP WHITE COAT-2COAT PLASTER **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/14/2017	White		45.00% Ca Carbonate 55.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-01B *031725438-0002*		**Description** BASEMENT CEILING - TOP WHITE COAT-2 COAT PLASTER **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/14/2017	White		45.00% Ca Carbonate 55.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-01C *031725438-0003*		**Description** BASEMENT CEILING - TOP WHITE COAT-2 COAT PLASTER **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/14/2017	White		55.00% Ca Carbonate 45.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-01D *031725438-0004*		**Description** BASEMENT CEILING - TOP WHITE COAT-2 COAT PLASTER **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/14/2017	White		60.00% Ca Carbonate 40.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-01E *031725438-0005*		**Description** BASEMENT CEILING - TOP WHITE COAT-2 COAT PLASTER **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/15/2017	White		55.00% Ca Carbonate 45.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial Report From: 08/15/2017 09:58:34

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 031725438
Customer ID: PNNJ42
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID STLL1702-02A *031725438-0006*		**Description** **Homogeneity**	BASEMENT CEILING - BOTTOM GREY COAT- 2 COAT PLASTER Homogeneous		
PLM NYS 198.1 Friable	08/14/2017	Brown	None	54.20% Non-fibrous (other) 45.00% Quartz	**0.80% Chrysotile**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-02B *031725438-0007*		**Description** **Homogeneity**	BASEMENT CEILING - BOTTOM GREY COAT- 2 COAT PLASTER Homogeneous		
PLM NYS 198.1 Friable	08/14/2017	Brown	None	44.21% Non-fibrous (other) 55.00% Quartz	**0.79% Chrysotile**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-02C *031725438-0008*		**Description** **Homogeneity**	BASEMENT CEILING - BOTTOM GREY COAT- 2 COAT PLASTER Homogeneous		
PLM NYS 198.1 Friable	08/14/2017	Brown	None	44.20% Non-fibrous (other) 55.00% Quartz	**0.80% Chrysotile**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-02D *031725438-0009*		**Description** **Homogeneity**	BASEMENT CEILING - BOTTOM GREY COAT- 2 COAT PLASTER Homogeneous		
PLM NYS 198.1 Friable	08/14/2017	Brown	None	44.20% Non-fibrous (other) 55.00% Quartz	**0.80% Chrysotile**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-02E *031725438-0010*		**Description** **Homogeneity**	BASEMENT CEILING - BOTTOM GREY COAT- 2 COAT PLASTER Homogeneous		
PLM NYS 198.1 Friable	08/15/2017	Brown	None	54.25% Non-fibrous (other) 45.00% Quartz	**0.75% Chrysotile**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-03A *031725438-0011*		**Description** **Homogeneity**	COLUMN 2 - SPRAY APPLIED FIREPROOFING Homogeneous		
PLM NYS 198.1 Friable	08/14/2017	Gray	None	100.00% Non-fibrous (other) Vermiculite Present	
Surfacing Material containing vermiculite. NYS requires ELAP method 198.8.					
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

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EMSL Order: 031725438
Customer ID: PNNJ42
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID STLL1702-03B *031725438-0012*		**Description** **Homogeneity**	COLUMN 3 - SPRAY APPLIED FIREPROOFING Homogeneous		
PLM NYS 198.1 Friable	08/14/2017	Gray	None	100.00% Non-fibrous (other) Vermiculite Present	
Surfacing Material containing vermiculite. NYS requires ELAP method 198.8.					
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-03C *031725438-0013*		**Description** **Homogeneity**	COLUMN 4 - SPRAY APPLIED FIREPROOFING Homogeneous		
PLM NYS 198.1 Friable	08/14/2017	Brown	None	100.00% Non-fibrous (other) Vermiculite Present	
Surfacing Material containing vermiculite. NYS requires ELAP method 198.8.					
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-03D *031725438-0014*		**Description** **Homogeneity**	COLUMN 4 - SPRAY APPLIED FIREPROOFING Homogeneous		
PLM NYS 198.1 Friable	08/14/2017	Brown	None	100.00% Non-fibrous (other) Vermiculite Present	
Surfacing Material containing vermiculite. NYS requires ELAP method 198.8.					
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-03E *031725438-0015*		**Description** **Homogeneity**	COLUMN 5 - SPRAY APPLIED FIREPROOFING Homogeneous		
PLM NYS 198.1 Friable	08/14/2017	Brown	None	100.00% Non-fibrous (other) Vermiculite Present	
Surfacing Material containing vermiculite. NYS requires ELAP method 198.8.					
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-04A *031725438-0016*		**Description** **Homogeneity**	NORTH SECTION-CEILING - BLACK WATERPROOFING Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	08/15/2017	Black		100.00% Other	**Inconclusive: None Detected**
Final Residue <1%					
TEM NYS 198.4 NOB	08/15/2017	Black/ Beige		100.00% Other	**None Detected**

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EMSL Order: 031725438
Customer ID: PNNJ42
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID STLL1702-04B *031725438-0017*		**Description** NORTH SECTION-CEILING - BLACK WATERPROOFING **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	08/15/2017	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	08/15/2017	Black		100.00% Other	**None Detected**
Sample ID STLL1702-04C *031725438-0018*		**Description** NORTH SECTION-CEILING - BLACK WATERPROOFING **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	08/15/2017	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	08/15/2017	Black		100.00% Other	**None Detected**
Sample ID STLL1702-05A *031725438-0019*		**Description** SPRINKLER RM - DRYWALL **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/14/2017	Brown/ Gray	10.00% Cellulose	65.00% Gypsum 25.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-05B *031725438-0020*		**Description** SPRINKLER RM - DRYWALL **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/15/2017	Gray	8.00% Cellulose 2.00% Glass	55.00% Gypsum 35.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-06A *031725438-0021*		**Description** SPRINKLER RM - JOINT COMPOUND **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/14/2017	White		55.00% Ca Carbonate 45.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-06B *031725438-0022*		**Description** SPRINKLER RM - JOINT COMPOUND **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/14/2017	White		65.00% Ca Carbonate 35.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

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EMSL Order: 031725438
Customer ID: PNNJ42
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Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID STLL1702-06C *031725438-0023*		**Description** SPRINKLER RM - JOINT COMPOUND **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/15/2017	White		60.00% Ca Carbonate 3.00% Mica 37.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-07A *031725438-0024*		**Description** COLUMN 3 - WHITE PLASTER PATCHING **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/14/2017	Gray		55.00% Gypsum 45.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-07B *031725438-0025*		**Description** COLUMN 3 - WHITE PLASTER PATCHING **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/14/2017	Gray		65.00% Gypsum 35.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-07C *031725438-0026*		**Description** COLUMN 4 - WHITE PLASTER PATCHING **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/15/2017	White		15.00% Ca Carbonate 40.00% Gypsum 35.00% Non-fibrous (other) 10.00% Perlite	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID STLL1702-08A *031725438-0027*		**Description** NEXT TO STAIRS - CONCRETE CEILING PATCHING **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/14/2017	Gray/ Black		20.00% Gypsum 80.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

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EMSL Order: 031725438
Customer ID: PNNJ42
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID STLL1702-08B *031725438-0028*		**Description** **Homogeneity**	NEXT TO STAIRS - CONCRETE CEILING PATCHING Homogeneous		
PLM NYS 198.1 Friable	08/15/2017	Gray		25.00% Ca Carbonate 20.00% Gypsum 55.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial Report From: 08/15/2017 09:58:34

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 031725438
Customer ID: PNNJ42
Customer PO:
Project ID:

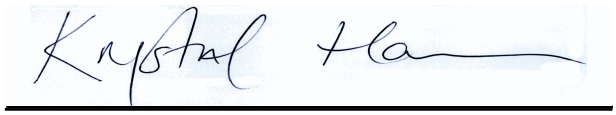
Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods . The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

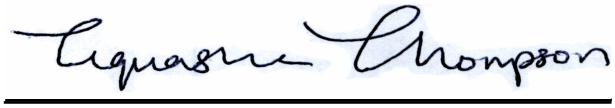
Report Comments:

Sample Receipt Date: 8/14/2017 Sample Receipt Time: 10:41 AM
Analysis Completed Date: 8/14/2017 Analysis Completed Time: 2:36 PM

Analyst(s):



Krystal Harris PLM NYS 198.1 Friable (19)



Tiquasha Thompson PLM NYS 198.1 Friable (6)

Deen Liang PLM NYS 198.6 NOB (3)

Venisha Lazarus-Barnes TEM NYS 198.4 NOB (3)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non-asbestos containing.
All samples examined for the presence of vermiculite when analyzed via NYS 198.1.
-NYS Guidelines for Vermiculite containing samples are available at http ://www.wadsworth.org/labcert/elapcert/forms/ VermiculiteInterimGuidance_Rev070913.pdf EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations . Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.
This report must not be used by the client to claim product certification , approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation .

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial Report From: 08/15/2017 09:58:34

031725438

Pennoni

Laboratory: EMSL

PAGE 1 of 2

Send invoice to *(circle one)*: Haddon Heights *(PENN50)* Philadelphia *(PENN54)* Newark/New York *(PNNJ42)* Other:

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

Project #: STLL1702
Site: 2205 5th Ave, NY, NY
Section: Stellar Management
Floor: Basement

Collected by: Matt Smith Date: 8/4/17
Transported by: Matt Smith Date: 8/4/17
Received by: Date: 8/4/17 10:41
Analyzed by: Date:

Analysis Turnaround Time

1 Day ☑ 2 Day ☐ 3 Day ☐ 5 Day ☐ 7 Day ☐

Contact: Ralph Coppola Cell: 908-868-8864 Email: RCoppola@Pennoni.com

☑ PLM
☑ 1ST POSITIVE STOP
☑ ANALYZE AS NYC/NYS SAMPLES
☐ ANALYZE NOBs VIA PLM 1ST POSITIVE STOP, THEN ANALYZE 1ST SAMPLE OF EACH MATERIAL SET VIA TEM-NOB
☐ ANALYZE PLM-NOB 1ST POSITIVE STOP, THEN TEM-NOB 1ST POSITIVE STOP

Sample ID #	Type of Material	Location
STLL1702-01A	Top White Coat Plaster	Basement Ceiling
-01B		
-01C		
-01D		
-01E		
-02A	Bottom Grey Coat Plaster	Basement Ceiling
-02B		
-02C		
-02D		
-02E		
-03A	Spray Applied Fireproofing	Column 2
-03B		Column 3
-03C		Column 4
-03D		
-03E		Column 5
-04A	Black Waterproofing	North Section-Ceiling
-04B		
-04C		
-05A	Drywall	Sprinkler Rm
-05B		
-06A	Joint Compound	Sprinkler Rm
-06B		

2017 AUG 14 AM 10:41

Z:\ADMIN\0311 HH Industrial Hygiene\FORMS and CHECKLISTS\Asbestos Bulk Sample Chain of Custody.xlsx_New York

DL 8/15/17 8/15/17

Pennoni

Laboratory: EMSL

PAGE 2 of 2

Send invoice to *(circle one)*: Haddon Heights *(PENN50)* Philadelphia *(PENN54)* Newark/New York *(PNNJ42)* Other: _____

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

Project #: STL41702
Site: 220 5th Ave, NY, NY
Section: Stellar Management
Floor: Basement

Collected by: Matt Smith Date: 8/14/17
Transported by: Matt Smith Date: 8/14/17
Received by: _____ Date: _____
Analyzed by: _____ Date: _____

Analysis Turnaround Time

1 Day ☑ 2 Day ☐ 3 Day ☐ 5 Day ☐ 7 Day ☐

Contact: Ralph Coppola Cell: 908-868-8864 Email: RCoppola@Pennoni.com

☑ PLM ☑ 1ST POSITIVE STOP ☑ ANALYZE AS NYC/NYS SAMPLES

☐ ANALYZE NOBs VIA PLM 1ST POSITIVE STOP, THEN ANALYZE 1ST SAMPLE OF EACH MATERIAL SET VIA TEM-NOB

☑ ANALYZE PLM-NOB 1ST POSITIVE STOP, THEN TEM-NOB 1ST POSITIVE STOP

Sample ID #	Type of Material	Location
STL41702-06C	Joint Compound	Sprinklers Rm
-07A	White Plaster Patching	Column 3
-07B		
-07C		Column 4
-08A	Concrete Ceiling Parking	Next to Stairs
-08B		
	DL 8/15/17	
	12224	

2017 AUG 14 AM 10:41

Z:\ADMIN\0311 HH Industrial Hygiene\FORMS and CHECKLISTS\Asbestos Bulk Sample Chain of Custody.xlsx_New York

8/15/17 8/14/17 10:41AM

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (800)220-3675 / (856)786-5974
http://www.EMSL.com cinnasblab@EMSL.com

EMSL Order #: **041724272**
Customer ID: **PNNJ42**
Customer PO: **Not Available**

Attn: **Ralph Coppola**
Pennoni
24 Commerce Street
Suite 300
Newark, NJ 07102

Phone: **973-265-9775**
Fax: **Not Available**

Project: **STLL1702 / Stellar MGJ / 220 5th Ave NY / Basement**

Date Collected: **Not Provided**
Date Received: **08/16/2017**
Date Analyzed: **08/23/2017**

Report Date: 08/23/2017 *Revision:* R0

Asbestos Analysis of NYS ELAP Method 198.8
PLM Analysis for Asbestos in Bulk Surfacing Materials Containing Vermiculite

Lab Number	*Client Sample Identification*	Appearance	Percentage Matrix Material	Percentage non-Asbestos Fibers	Chrysotile Percentage	Amphibole Percentage	Total Percentage
041724272-0001	101A	Tan Fibrous Homogeneous	98.74	1.3	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
041724272-0002	101B	Tan Fibrous Homogeneous	98.76	1.2	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
041724272-0003	101C	Tan Fibrous Homogeneous	98.79	1.2	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

Report Date	Report Revision	Revision Comments
08/23/2017	R0	Initial Report

Benjamin Ellis, Laboratory Manager
or other approved signatory
NYS ELAP 10872

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (800)220-3675 / (856)786-5974
http://www.EMSL.com cinnasblab@EMSL.com

EMSL Order #: **041724272**
Customer ID: **PNNJ42**
Customer PO: **Not Available**

Asbestos Analysis of NYS ELAP Method 198.8
PLM Analysis for Asbestos in Bulk Surfacing Materials Containing Vermiculite

Bench Sheet

EMSL Sample ID 041724272-0001 **Crucible ID:** cc1

	Analyst	Date
Gravimetric Prep	SP	8/17/2017
Chrysotile Analysis	AZC	8/22/2017
Centrifugation Date	SP	8/22/2017
Amphibole Analysis	AC	8/23/2017

Stereoscopic			
Color	Tan	**Stereoscopic % Asbestos**	ND
Texture	Fibrous		
Homogeneity	Homogeneous	**Vermiculite Detected**	**Yes**

Initial Weights*	
Weight of Crucible	26.5206
Weight of Crucible and Sub Sample	30.0820
Weight of Sub-Sample	3.5614
Ashing	
Weight of Crucible & Ash	29.4250
Weight of Ash	2.9044
Weight Loss During Ashing	0.6570
Weight Percent Organic and Water	18.4478
Acid Treatment/ Flotation	
Weight of Dish for Floats	41.1026
Weight of Dish & Floats	41.2274
Weight of Floats	0.1248
Weight Percent Floats	3.5042
Weight of Dish & Filter for Residue	8.7804
Weight of Dish & Filter & Residue	9.6811
Weight of Residue	0.9007
Weight Loss During Acid/Flotation Treatment	1.8789
Weight Percent Acid-Soluble/Float Materials	52.7573
Weight Percent Residue	25.2906

Non-Asbestos Fiber	Optical Property	Visual %	Calc %
Glass	Isotropic	5	1.264530802
			0

Chrysotile Identification Optical Properties Temperature (C°) 18.9

⊥ RI	IIRI	Morphology	Sign	Pleochorism	Birefringence	Fiber Color	Extinction

Amphibole Identification Optical Properties Temperature (C°) 21.3

⊥ RI	IIRI	Morphology	Sign	Pleochorism	Birefringence	Fiber Color	Extinction

PLM Examination of Residue (Chrysotile)	Analyzed	PTCT	Chrysotile	Non-Empty	PTCT:	Chrysotile	Non-Empty	Trace Detected?
Number of Occupied Points	400	Slide 1:	0	50	Slide 5:	0	50	☐ None
Number of Chrysotile Points	0	Slide 2:	0	50	Slide 6:	0	50	*Check box if yes*
Percent Chrysotile by PTCT	0.00	Slide 3:	0	50	Slide 7:	0	50	
(if greater than 1% no further analysis needed)	0.0000	Slide 4:	0	50	Slide 8:	0	50	

Heavy Liquid Centrifugation	
Weight of Dish & Filter & Balance of Residue (Post Chrysotile Analysis)	9.6697
Weight of Balance of Residue	0.8893
Weight of Dish & Filter for Centrifugate	8.1610
Weight of Dish & Filter & Centrifugate	8.1976
Weight of Centrifugate	0.0366
Weight Percent Centrifiugate	1.0409

PLM Examination of Centrifugate (Amphibole)	Analyzed	PTCT	Amphibole	Non-Empty	PTCT	Amphibole	Non-Empty	Trace Detected?
Number of Occupied Points	400	Slide 1:	0	50	Slide 5:	0	50	☐ None
Number of Amphibole Points	0	Slide 2:	0	50	Slide 6:	0	50	*Check box if yes*
Percent Amphibole by PTCT	0.00	Slide 3:	0	50	Slide 7:	0	50	
Percent Amphibole in Sample	0.0000	Slide 4:	0	50	Slide 8:	0	50	

Percent of Total Asbestos in Sample	**0.0000**

** All Weights in grams*

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (800)220-3675 / (856)786-5974
http://www.EMSL.com cinnasblab@EMSL.com

EMSL Order #: **041724272**
Customer ID: **PNNJ42**
Customer PO: **Not Available**

Asbestos Analysis of NYS ELAP Method 198.8
PLM Analysis for Asbestos in Bulk Surfacing Materials Containing Vermiculite

Bench Sheet

EMSL Sample ID 041724272-0002 **Crucible ID:** cc2

	Analyst	Date
Gravimetric Prep	SP	8/17/2017
Chrysotile Analysis	AZC	8/22/2017
Centrifugation Date	SP	8/22/2017
Amphibole Analysis	AC	8/23/2017

Stereoscopic			
Color	Tan	**Stereoscopic % Asbestos**	ND
Texture	Fibrous		
Homogeneity	Homogeneous	**Vermiculite Detected**	**Yes**

Initial Weights*	
Weight of Crucible	26.4235
Weight of Crucible and Sub Sample	29.9824
Weight of Sub-Sample	3.5589
Ashing	
Weight of Crucible & Ash	29.3236
Weight of Ash	2.9001
Weight Loss During Ashing	0.6588
Weight Percent Organic and Water	18.5113
Acid Treatment/ Flotation	
Weight of Dish for Floats	44.2545
Weight of Dish & Floats	44.4005
Weight of Floats	0.1460
Weight Percent Floats	4.1024
Weight of Dish & Filter for Residue	8.3757
Weight of Dish & Filter & Residue	9.2566
Weight of Residue	0.8809
Weight Loss During Acid/Flotation Treatment	1.8732
Weight Percent Acid-Soluble/Float Materials	52.6342
Weight Percent Residue	24.7520

Non-Asbestos Fiber	Optical Property	Visual %	Calc %
Glass	Isotropic	5	1.237601506
			0

Chrysotile Identification Optical Properties							Temperature (C°)	18.9
⊥RI	IIRI	Morphology	Sign	Pleochorism	Birefringence	Fiber Color	Extinction	

Amphibole Identification Optical Properties							Temperature (C°)	21.2
⊥RI	IIRI	Morphology	Sign	Pleochorism	Birefringence	Fiber Color	Extinction	

PLM Examination of Residue (Chrysotile)	Analyzed	PTCT	Chrysotile	Non-Empty	PTCT:	Chrysotile	Non-Empty	Trace Detected?
Number of Occupied Points	400	Slide 1:	0	50	Slide 5:	0	50	☐ None
Number of Chrysotile Points	0	Slide 2:	0	50	Slide 6:	0	50	*Check box if yes*
Percent Chrysotile by PTCT	0.00	Slide 3:	0	50	Slide 7:	0	50	
(if greater than 1% no further analysis needed)	0.0000	Slide 4:	0	50	Slide 8:	0	50	

Heavy Liquid Centrifugation	
Weight of Dish & Filter & Balance of Residue (Post Chrysotile Analysis)	9.2410
Weight of Balance of Residue	0.8653
Weight of Dish & Filter for Centrifugate	8.6874
Weight of Dish & Filter & Centrifugate	8.7321
Weight of Centrifugate	0.0447
Weight Percent Centrifiugate	1.2786

PLM Examination of Centrifugate (Amphibole)	Analyzed	PTCT	Amphibole	Non-Empty	PTCT	Amphibole	Non-Empty	Trace Detected?
Number of Occupied Points	400	Slide 1:	0	50	Slide 5:	0	50	☐ None
Number of Amphibole Points	0	Slide 2:	0	50	Slide 6:	0	50	*Check box if yes*
Percent Amphibole by PTCT	0.00	Slide 3:	0	50	Slide 7:	0	50	
Percent Amphibole in Sample	0.0000	Slide 4:	0	50	Slide 8:	0	50	

Percent of Total Asbestos in Sample	**0.0000**

** All Weights in grams*

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (800)220-3675 / (856)786-5974
http://www.EMSL.com cinnasblab@EMSL.com

EMSL Order #: **041724272**
Customer ID: **PNNJ42**
Customer PO: **Not Available**

Asbestos Analysis of NYS ELAP Method 198.8
PLM Analysis for Asbestos in Bulk Surfacing Materials Containing Vermiculite

Bench Sheet

EMSL Sample ID 041724272-0003 **Crucible ID:** cc3

	Analyst	Date
Gravimetric Prep	SP	8/17/2017
Chrysotile Analysis	AZC	8/22/2017
Centrifugation Date	SP	8/22/2017
Amphibole Analysis	AC	8/23/2017

Stereoscopic			
Color	Tan	**Stereoscopic % Asbestos**	ND
Texture	Fibrous		
Homogeneity	Homogeneous	**Vermiculite Detected**	**Yes**

Initial Weights*	
Weight of Crucible	26.0073
Weight of Crucible and Sub Sample	29.5501
Weight of Sub-Sample	3.5428
Ashing	
Weight of Crucible & Ash	28.8863
Weight of Ash	2.8790
Weight Loss During Ashing	0.6638
Weight Percent Organic and Water	18.7366
Acid Treatment/ Flotation	
Weight of Dish for Floats	31.6271
Weight of Dish & Floats	31.7902
Weight of Floats	0.1631
Weight Percent Floats	4.6037
Weight of Dish & Filter for Residue	8.5518
Weight of Dish & Filter & Residue	9.4119
Weight of Residue	0.8601
Weight Loss During Acid/Flotation Treatment	1.8558
Weight Percent Acid-Soluble/Float Materials	52.3823
Weight Percent Residue	24.2774

Non-Asbestos Fiber	Optical Property	Visual %	Calc %
Glass	Isotropic	5	1.213870385
			0

Chrysotile Identification Optical Properties Temperature (C°) 18.8

⊥ RI	IIRI	Morphology	Sign	Pleochorism	Birefringence	Fiber Color	Extinction

Amphibole Identification Optical Properties Temperature (C°) 21.2

⊥ RI	IIRI	Morphology	Sign	Pleochorism	Birefringence	Fiber Color	Extinction

PLM Examination of Residue (Chrysotile)	Analyzed	PTCT	Chrysotile	Non-Empty	PTCT:	Chrysotile	Non-Empty	Trace Detected?
Number of Occupied Points	400	Slide 1:	0	50	Slide 5:	0	50	☐ None
Number of Chrysotile Points	0	Slide 2:	0	50	Slide 6:	0	50	*Check box if yes*
Percent Chrysotile by PTCT	0.00	Slide 3:	0	50	Slide 7:	0	50	
(if greater than 1% no further analysis needed)	0.0000	Slide 4:	0	50	Slide 8:	0	50	

Heavy Liquid Centrifugation	
Weight of Dish & Filter & Balance of Residue (Post Chrysotile Analysis)	9.3476
Weight of Balance of Residue	0.7958
Weight of Dish & Filter for Centrifugate	8.1635
Weight of Dish & Filter & Centrifugate	8.1963
Weight of Centrifugate	0.0328
Weight Percent Centrifiugate	1.0006

PLM Examination of Centrifugate (Amphibole)	Analyzed	PTCT	Amphibole	Non-Empty	PTCT	Amphibole	Non-Empty	Trace Detected?
Number of Occupied Points	400	Slide 1:	0	50	Slide 5:	0	50	☐ None
Number of Amphibole Points	0	Slide 2:	0	50	Slide 6:	0	50	*Check box if yes*
Percent Amphibole by PTCT	0.00	Slide 3:	0	50	Slide 7:	0	50	
Percent Amphibole in Sample	0.0000	Slide 4:	0	50	Slide 8:	0	50	

Percent of Total Asbestos in Sample	**0.0000**

** All Weights in grams*

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (800)220-3675 / (856)786-5974
http://www.EMSL.com cinnasblab@EMSL.com

EMSL Order #:	**041724272**
Customer ID:	**PNNJ42**
Customer PO:	**Not Available**

Attn:	**Ralph Coppola** **Pennoni** **24 Commerce Street** **Suite 300** **Newark, NJ 07102**	Phone:	**973-265-9775**
		Fax:	**Not Available**
Project:	**STLL1702 / Stellar MGJ / 220 5th Ave NY / Basement**	Date Collected:	**Not Provided**
		Date Received	**08/16/2017**
		Date Analyzed:	**08/23/2017**

Report Date	Report Revision	Revision Comments
08/23/2017	R0	Initial Report

Benjamin Ellis, Laboratory Manager

or other approved signatory

NYS ELAP 10872

About us

EMSL Analytical, Inc. offers a full line of analytical solutions for over 30 years across North America. For more information about our nationally accredited locations, vast line of testing services, and our food safety solutions please visit www.EMSL.com or call (800) 220-3675.

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Pennoni

Laboratory: 08/17/2017 PAGE 1 of 1

Send invoice to *(circle one)*: Haddon Heights *(PENN50)* Philadelphia *(PENN54)* Newark/New York *(PNNJ42)* Other:

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

Project #: STL1702 Collected by: Jason Celentano Date: 8/16/17
Site: STELLAR MGT. Transported by: Jason Celentano Date: 8/16/17
Section: 220 5 AVE NY NY Received by: Date: 8/16/17 11:24 AM
Floor: BASEMENT Analyzed by: Date:
CR Courier 8/16/17 8:35

Analysis Turnaround Time

1 Day ☐ 2 Day ☐ 3 Day ☐ 5 Day ☐ 7 Day ☒

Contact: RALPH COPPOLA Cell: 908-868-8864 Email: RCoppola@pennoni.com

☒ PLM ☒ 1ST POSITIVE STOP ☒ ANALYZE AS NYC/NYS SAMPLES

☐ ANALYZE NOBs VIA PLM 1ST POSITIVE STOP, THEN ANALYZE 1ST SAMPLE OF EACH MATERIAL SET VIA TEM-NOB

☐ ANALYZE PLM-NOB 1ST POSITIVE STOP, THEN TEM-NOB 1ST POSITIVE STOP

198.8

Sample ID #	Type of Material	Location
101A	SPRAY APPLIED FIREPROOFING	CONSTRUCTION AREA EAST COLUMN
101B		CONSTRUCTION AREA CENTER COLUMN
101C		CONSTRUCTION AREA WEST COLUMN

RECEIVED
2017 AUG 16 AM 11:24
CINNAMINSON, NJ
EMSL

PLEASE ANALYZE
198.8
QC 8/16/17

Z:\ADMIN\0311 HH Industrial Hygiene\FORMS and CHECKLISTS\Asbestos Bulk Sample Chain of Custody.xlsx_New York

APPENDIX D

NYC DEP Asbestos Assessment Report (ACP 5)

NYC Environmental Protection

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

Asbestos Control Program
59-17 Junction Boulevard, 8th Floor, Flushing, NY 11373

ASBESTOS ASSESSMENT REPORT

RECEIVED
8/24/2017
DEP
ASBESTOS CONTROL
PROGRAM
FEE PAID

1. NYC DOB Job # (if applicable) _____ **Control Number: 1337439**

2. Premise No. 220 Street Name Fifth Avenue Borough Manhattan Zip 10001

3. AKA Basement Ceiling Type of Facility Commercial BIN 1015650 Block 00828 Lot 0035

4. Building Owner Stellar Management Address 156 Williams Street, 10th Floor

5. City New York State NY Zip 10038 Contact Person Lyle Kamesaki

6. Tel. # (212) 843-3556 Fax # _____ Email lkamesaki@stellarmanagement.com

7. Description of the Entire Scope of Work
Renovation of basement space to a gym facility, including:
• Demolish sheetrock and framing, expose existing conduit.
• Clean and patch all existing pipe and surfaces on exposed ceiling. Paint white, remove, or relocate all wiring.
• Make penetrations in drop ceiling to house L6 light fixtures.

8. I, MATTHEW SMITH , have conducted an asbestos investigation on
Name of Certified Asbestos Investigator

08/14/2017 8:00AM-12:00PM in accordance
Date(s)

with Sections 1-16 and 1-28 of the NYC DEP Asbestos Control Program Rules and declare that at said facility address, the

[X] a. portion(s) of the premises affected by the work is free of asbestos containing material (ACM).

[ ] b. premise (or portions thereof) affected by the work contains 10 square feet or less or 25 linear feet or less of ACM. Specify locations in section 9: Note: This material must be abated as a minor project in accordance with relevant provisions of the DEP Asbestos Rules.

[ ] c. asbestos is present and will not be disturbed during construction activity. Specify the quantity and area where asbestos is present. Specify amount: _____ sq. ft _____ linear ft.
Specify locations (attach additional documents as necessary):

[ ] d. entire building is free of asbestos containing material (ACM).

9. RESULTS OF ASBESTOS BUILDING SURVEY:

FLOOR	DESCRIBE SECTION OF FLOOR	ALL MATERIALS ASSUMED TO CONTAIN ACM AND/OR SAMPLED	NUMBER OF SAMPLES ANALYZED	ASBESTOS PRESENT	ASSUMED ACM
Basement	various locations above drop ceiling	Plaster, Top White Coat and Bottom Grey Coat	10	No	No
Basement	above drop ceiling on beams, columns, and walls throughout	Spray-Applied Fireproofing	8	No	No

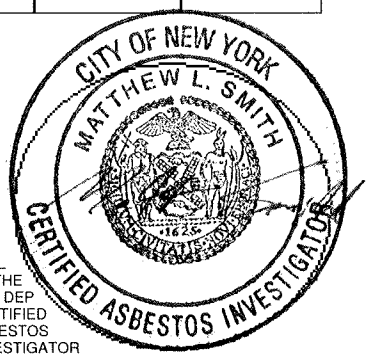
I hereby declare the information provided herein is true and complete

MATTHEW SMITH	8/24/2017	145284	12/23/2018
DEP Certified Asbestos Investigator's Signature	*Date*	*Certificate Number*	*Expiration Date*

Tel. # (212) 239-7608 Fax # _____

Email mlsmith@pennoni.com

The investigator shall assume that some or all of the areas investigated contain ACM, and for each area that is not assumed to contain ACM, collect and submit for analysis bulk samples in accordance with §§ 1-36, 1-37, and 1-44 of the DEP Asbestos Rules and EPA publications 560/5-85-024 and 560/5-85-030a and 40 CFR 763.86.



SEAL OF THE NYC DEP CERTIFIED ASBESTOS INVESTIGATOR

Is it a Build-It-Back project? [ ] Yes, App ID # _____ [X] No

25354377

Environmental Protection

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
Asbestos Control Program
59-17 Junction Boulevard, 8th Floor, Flushing, NY 11373
ASBESTOS ASSESSMENT REPORT

RECEIVED
8/24/2017
DEP
ASBESTOS CONTROL
PROGRAM
FEE PAID

Basement	above drop ceiling on beams, columns, and walls in north section, generally on the surface of SAF	Black Waterproofing	3	No	No
Basement	sprinkler room above drop ceiling	Drywall	2	No	No
Basement	sprinkler room above drop ceiling	Joint Compound associated with Drywall	3	No	No
Basement	above drop ceiling in south section	White Plaster Patching	3	No	No
Basement	above drop ceiling throughout	Concrete Ceiling Patching	2	No	No

10. ANALYTICAL LABORATORY:

NAME	ELAP # (NYS DOH CERTIFICATION)	DATE(S) SAMPLES ANALYZED
EMSL Analytical, Inc. (PLM)	11506	8/15/2017
EMSL Analytical, Inc. (TEM)	11506	8/15/2017
EMSL Analytical, Inc. (SOF-V)	10872	8/23/2017

11. NYS DOL Asbestos Handling license # 65397 Company Name Pennoni Associates, Inc.

I hereby declare the information provided herein is true and complete

MATTHEW SMITH	8/24/2017	145284	12/23/2018
DEP Certified Asbestos Investigator's Signature	*Date*	*Certificate Number*	*Expiration Date*

Tel. # (212) 239-7608 Fax # _____

Email mlsmith@pennoni.com

SEAL OF THE NYC DEP CERTIFIED ASBESTOS INVESTIGATOR

CITY OF NEW YORK
MATTHEW L. SMITH
CERTIFIED ASBESTOS INVESTIGATOR

The investigator shall assume that some or all of the areas investigated contain ACM, and for each area that is not assumed to contain ACM, collect and submit for analysis bulk samples in accordance with §§ 1-36, 1-37, and 1-44 of the DEP Asbestos Rules and EPA publications 560/5-85-024 and 560/5-85-030a and 40 CFR 763.86.

Is it a Build-It-Back project? ☐ Yes, App ID # _____ ☒ No

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